

## **SPECIFICATION AMENDMENTS**

On page 28, the paragraph starting at line 21.

The present invention advantageously provides a method of determining boundary interface changes in a natural resource deposit using simulated annealing optimization techniques in which a model is successively perturbed to generate a new model that is tested for acceptability until an optimum model is obtained from the solution space. The present invention is suitable for in applications ~~applicatoins~~ involving geothermal monitoring, ground-water hydrology, and environmental remediation.